AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for displaying a television video signal in a mobile terminal, comprising:

input means for generating a plurality of signals for control of a television mode of said mobile terminal;

control means responsive to said control signals from said input means for generating a plurality of commands for execution of said television mode and user data to be displayed when said television mode is executed;

a tuner for receiving a television signal of a selected channel;

a decoder for decoding the television signal received by said tuner to separate it the television signal into said television video signal, an audio signal and synchronous signals;

video processing means for, in said television mode, converting said video signal from said decoder into digital video data, processing and storing the converted digital video data on a frame basis, outputting stored video data of a previous frame in a frame period and then outputting said user data; and

display means having comprising a video data display area and a user data display area, said display means displaying said frame video data and user data from said video processing means respectively in said video data display area and user data display area.

2. (Currently Amended) The apparatus as set forth in claim 1, wherein said video processing means includes comprises:

a first memory for storing said user data;

second and third memories for storing said television video data on a frame basis; and

a memory controller for storing received video data of a current frame in said second or third memory, outputting the video data of the previous frame stored in said third or second memory and then outputting said user data stored in said first memory upon completing the output of said video data of said previous frame.

3. (Currently Amended) The apparatus as set forth in claim 2, wherein said user data stored in said first memory ~~includes~~ comprises information ~~about~~ regarding a current time, information ~~about~~ regarding a currently displayed channel, and menu associated soft key information.

4. (Currently Amended) The apparatus as set forth in claim 2, wherein said video processing means further ~~includes~~ comprises a format scaler for scaling a size of said video signal from said decoder to ~~that~~ be displayable by said display means.

5. (Currently Amended) The apparatus as set forth in claim 2, wherein said video processing means further ~~includes~~ comprises an on-screen display (OSD) controller for designating, copying and displaying a desired area of said user data stored in said first memory.

6. (Original) The apparatus as set forth in claim 2, wherein:

said memory controller is adapted to output video data of a frame being displayed on said display means as a still picture in response to a capture key input; and

said control means is adapted to access said video data being output as said still picture.

7. (Original) The apparatus as set forth in claim 2, wherein said memory controller is adapted to rotate and output a picture being displayed on said display means in response to a rotate key input.

8. (Original) The apparatus as set forth in claim 7, wherein said memory controller is adapted to scale up and output said rotated and output picture.

9. (Currently Amended) ~~A video processing apparatus for processing a television video signal in a mobile terminal with a tuner and a television decoder, comprising~~The apparatus as set forth in claim 1, wherein said video processing means comprises:

an analog/digital (A/D) converter for converting an output video signal from said decoder into digital video data;

a format scaler for scaling a size of said video data to a frame size synchronously with synchronous signals from said decoder;

a first memory for storing user data from a control unit of said mobile terminal;

second and third memories for storing said video data on a frame basis; and

a memory controller for storing video data of a current frame from said format scaler in said second memory at the same time as outputting video data of a previous frame stored in said third memory, and outputting said user data stored in said first memory upon completing the output of said video data of said previous frame.

10. (Currently Amended) The ~~video processing~~ apparatus as set forth in claim 9, <u>wherein said video processing means</u> further ~~comprising~~ <u>comprises</u> an on-screen display (OSD) controller for designating, copying and displaying a desired area of said user data stored in said first memory.

11. (Currently Amended) The ~~video processing~~ apparatus as set forth in claim 9, <u>wherein said video processing means </u>further ~~comprising~~<u>comprises </u>an Inter Integrated Circuit (I2C) bus interface controller for transferring channel control data from said control unit to said tuner in an I2C communication manner.

12. (Currently Amended) A method for displaying a television video signal in a mobile terminal with a display unit, said display unit ~~having~~ <u>comprising </u>a video data display area and a user data display area, said method comprising the steps of:

a) in a television mode, controlling a tuner to select a desired channel;

b) receiving a television video signal of the selected channel and converting the received video signal into digital video data;

c) scaling a size of said video data to a frame size; and

d) storing video data of a current frame received over said selected channel and user data corresponding to said selected channel in a memory, outputting video data of a previous frame stored in said memory to said video data display area of said display unit in a frame period and then outputting said user data stored in said memory to said user data display area of said display unit upon completing the output of said video data of said previous frame.

13. (Currently Amended) The method as set forth in claim 12, wherein said <u>storing of video data comprises</u>~~step d) includes the step of~~, in response to a copy command, copying a

desired area of said user data stored in said memory and displaying the copied data area in said video data display area.

14. (Currently Amended) The method as set forth in claim 12, wherein said storing of video data comprisesstep d) includes the step of, in response to a rotation command, rotating and scaling up a currently displayed picture and displaying the resulting picture on said display unit at a full screen size.

15. (Original) The method as set forth in claim 14, wherein the rotation is made by 90° or substantially 90°.

16. (Currently Amended) A method for displaying a television video signal in a mobile terminal with a display unit, said display unit having comprising a video data display area and a user data display area, said method comprising the steps of:

a) in a television mode, controlling a tuner to select a desired channel;

b) receiving a television video signal of the selected channel and converting the received video signal into digital video data;

c) scaling a size of said video data to a frame size;

d) storing video data of a current frame received over said selected channel and user data corresponding to said selected channel in a memory, outputting video data of a previous frame stored in said memory to said video data display area of said display unit in a frame period and then outputting said user data stored in said memory to said user data display area of said display unit upon completing the output of said video data of said previous frame; and

e) in response to a screen capture command, outputting a currently displayed picture as a still picture, outputting said still picture to a control unit of said mobile terminal to store the still picture it, and then returning to said step of storing video data d).

17. (Currently Amended) A method for displaying a television video signal in a mobile terminal with a display unit, said display unit having comprising a video data display area and a user data display area, said method comprising the steps of:

a) in a television mode, controlling a tuner to select a desired channel;

b) receiving a television video signal of the selected channel and converting the received video signal into digital video data;

c) scaling a size of said video data to a frame size;

d) storing video data of a current frame received over said selected channel and user data corresponding to said selected channel in a memory, outputting video data of a previous frame stored in said memory to said video data display area of said display unit in a frame period and then outputting said user data stored in said memory to said user data display area of said display unit upon completing the output of said video data of said previous frame; and

e) in response to a screen adjustment command, rotating and scaling up a currently displayed picture and displaying the resulting picture on said display unit at a full screen size.

18. (Currently Amended) A method for displaying a television video signal in a mobile terminal with a display unit, said display unit having comprising a video data display area and a user data display area, said method comprising the steps of:

a) displaying menus including comprising a television mode in response to a menu selection;

b) in response to selection of said television mode, controlling a tuner to select a desired channel;

c) storing video data of a current frame received over the selected channel and user data corresponding to said selected channel in a memory, outputting video data of a previous frame stored in said memory to said video data display area of said display unit in a frame period and then outputting said user data stored in said memory to said user data display area of said display unit upon completing the output of said video data of said previous frame, said user data including comprising menus of said television mode;

d) in response to selection of a screen capture menu, outputting a currently displayed picture as a still picture, outputting said still picture to a control unit of said mobile terminal to store the still picture it, and then returning to said step of storing video data c);

e) in response to selection of a screen adjustment menu, rotating and scaling up the currently displayed picture and displaying the resulting picture on said display unit at a full screen size and, in response to reselection of said screen adjustment menu, returning to said step of storing video data c) to display the original picture; and

f) in response to selection of an exit menu, exiting from said television mode and entering a communication mode.